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(11)

EP 1 249 797 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
28.01.2004 Bulletin 2004/05

(51) Int Cl.<sup>7</sup>: G07C 9/00

(43) Date of publication A2:  
16.10.2002 Bulletin 2002/42

(21) Application number: 01124786.3

(22) Date of filing: 17.10.2001

(84) Designated Contracting States:  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR  
Designated Extension States:  
AL LT LV MK RO SI

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(30) Priority: 09.04.2001 JP 2001109776

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### (54) Multi-unit building with secure entry system

(57) A secure entry system for a building having a plurality of units provided therein, each of the units permitting only entry of a designated person thereto, the system comprising: an administration server operable to administrate a computer network system in the building; and at least one interconnecting device operable to connect the administration server and respective net-

work devices in the plurality of units. The administration server sets the interconnecting device to assign a plurality of VLANs to each of the units, respectively, in such a manner that a VLAN assigned to one of the units is different from VLANs assigned to respective others of the units to provide secure entry to the units and the computer network system in the building.

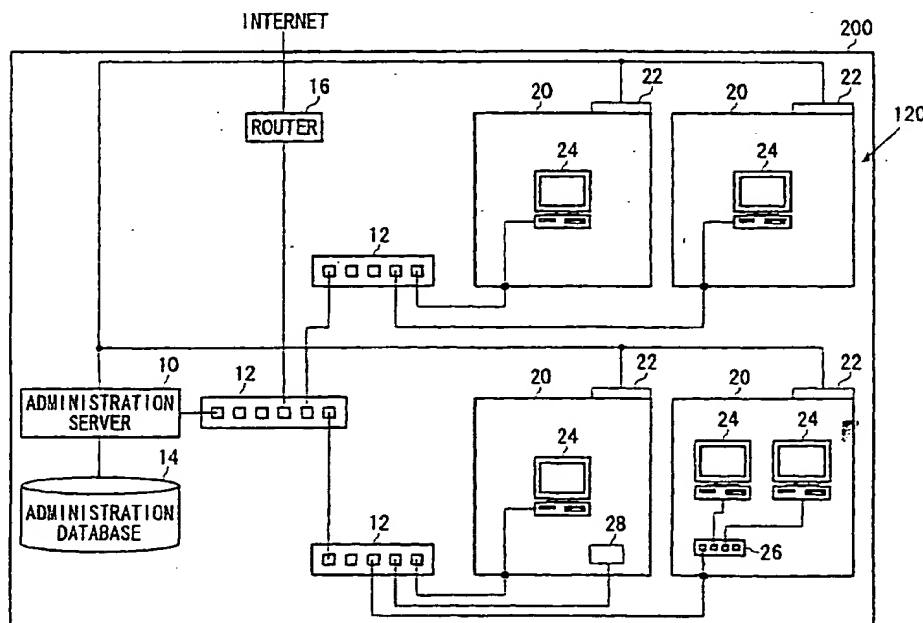


FIG. 1

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## EUROPEAN SEARCH REPORT

Application Number  
EP 01 12 4786

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	SMITH J M ET AL: "Integrating physical and computer access control systems" SECURITY TECHNOLOGY, 1993 SECURITY TECHNOLOGY, PROCEEDINGS, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS 1993 INTERNATIONAL CARNAHAN CONFERENCE ON OTTAWA, ONT., CANADA 13-15 OCT. 1993, NEW YORK, NY, USA, IEEE, 12 October 1994 (1994-10-12), pages 176-179, XP010146508 ISBN: 0-7803-1479-4 * the whole document *	1-21	G07C9/00
A	US 5 905 859 A (PROROCK THOMAS JOSEPH ET AL) 18 May 1999 (1999-05-18) * abstract * * column 2, line 50 - column 3, line 60 * * column 4, line 41 - column 6, line 14 * * column 7, line 11 - column 8, line 19 * * column 9, line 45-59 * * column 11, line 1 - column 13, line 2 * * column 15, line 7 - column 17, line 25 * * figures 1-17 *	1-21	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G07C H04L H04M G06F
A	US 5 598 456 A (FEINBERG DAVID H) 28 January 1997 (1997-01-28) * the whole document *	1-21	
A	US 4 760 393 A (MAUCH BARBARA J) 26 July 1988 (1988-07-26) * abstract * * column 2, line 18 - column 6, line 11 * * figure 1 *	1-21	
-/--			
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 December 2003	Examiner Pañeda Fernández, J
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 (3.12.92) (P04C01)



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## EUROPEAN SEARCH REPORT

Application Number  
EP 01 12 4786

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 5 914 938 A (RAMAMURTHY SURYANARAYAN ET AL) 22 June 1999 (1999-06-22) * abstract * * column 1, line 32 - column 2, line 15 * * column 2, line 59 - column 3, line 27 * * column 4, line 3-28 * * figures 1-5 *	1-21	
A	APPENZELLER G ET AL: "User-friendly access control for public network ports" INFOCOM '99. EIGHTEENTH ANNUAL JOINT CONFERENCE OF THE IEEE COMPUTER AND COMMUNICATIONS SOCIETIES. PROCEEDINGS. IEEE NEW YORK, NY, USA 21-25 MARCH 1999, PISCATAWAY, NJ, USA, IEEE, US, 21 March 1999 (1999-03-21), pages 699-707, XP010323809 ISBN: 0-7803-5417-6 * page 704 - page 705 *	1,3,6, 9-14,16, 18,19	
A	US 5 884 024 A (TSIRIGOTIS PANAGIOTIS ET AL) 16 March 1999 (1999-03-16) * abstract * * column 2, line 3 - column 3, line 55 * * column 6, line 28-54 * * column 7, line 58 - column 8, line 7 * * column 12, line 21-40 * * figures 1-9 *	10-13, 18,19	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>10 December 2003</b>	Examiner <b>Pañeda Fernández, J</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 (03.02) (P01C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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10-12-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5905859	A	18-05-1999	NONE		
US 5598456	A	28-01-1997	AU WO	7172194 A 9501041 A1	17-01-1995 05-01-1995
US 4760393	A	26-07-1988	US	4721954 A	26-01-1988
US 5914938	A	22-06-1999	NONE		
US 5884024	A	16-03-1999	EP JP WO	0943200 A1 2001506090 T 9826550 A1	22-09-1999 08-05-2001 18-06-1998

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